INORGANIC DATA VALIDATION REPORT

To: EPA Region 9

Validated by: Diane Quigley, Weston Solutions, Inc.

Report Date: August 12, 2015

Project/Site: Gold King Mine Emergency Response

Laboratory No: 680-115432-1 & 680-115432-2

This memo presents the inorganic data validation report for the data obtained during the field activities for the above referenced work assignment. The purpose of this review is to provide a Stage 2A validation of the following samples collected on August 9, 2015 and analyzed by TestAmerica Laboratories, Inc. located in Savannah, GA:

Field Sample Numbers	Laboratory ID	Analyses/Methods
SJBB-080915-11	680-115432-1	TAL Metals plus Mo by EPA 200.7 and
SJMH-080915-11	680-115432-2	200.8
SJMC-080915-11	680-115432-3	Mercury by EPA 245.1
SJDS-080915-11	680-115432-4	Hardness (calculation) by SM2340B
SJSR-080915-11	680-115432-5	TSS by SM2540D
SJ4C-080915-11	680-115432-6	TDS by SM2540C
SFPH-080915-11	680-115432-7	Alkalinity by SM2320B
SJHB-080915-11	680-115432-8	pH by SM4500H+B
SJLP-080915-11	680-115432-9	
MECT-080915-11	680-115432-10	
SJME-080915-11	680-115432-11	
SJME-080915-12	680-115432-12	

Mo = Molybdenum

SM = Standard Methods for the Evaluation of Water & Wastewater

TAL = Target Analyte List

TDS = Total Dissolved Solids

TSS = Total Suspended Solids

Data validation was conducted in accordance with the EPA National Functional Guidelines for Inorganic Superfund Analyses (NFG), August 2014; Test Methods for Evaluating Solid Wastes, SW-846, 3rd Edition and Updates; and appropriate EPA methods.

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Stage 2A validation was performed on the sample results. The data were evaluated based on the following parameters:

- * Data Completeness
 Holding Times, Sample Preservation and Receipt
- * Laboratory Blanks
- NA Field Blanks
 - Matrix Spike/Matrix Spike Duplicates
- * Laboratory Duplicate Samples
- * Laboratory Control Samples (Blank Spikes)
- * Total vs. Dissolved Metals Results Evaluation Field Duplicates Sample Dilutions and Detection Limits
- All criteria were met for this parameter
- NA Not applicable

Data Completeness

The Level 2 data package was complete and included a case narrative, sample results, batch quality control (QC) results, QC association summary, Chain-of-Custody forms, and a sample receipt condition form. Raw data is not required for a Level 2 data package.

Holding Times, Sample Preservation and Receipt

Surface water samples were analyzed for pH 2 days after sampling. Results for pH were flagged by the lab with an "HF" which indicates the samples were analyzed out of the 15 minute field holding time. The pH results for water samples were estimated (J) since they were analyzed past the recommended holding time. All other holding times were met

The samples were received within the recommended ≤6 degrees Celsius NFG QC limit. No shipping or receiving problems were noted.

Laboratory Blanks

The method blanks (MB) were analyzed at the required frequency. No contaminants were found in these blanks with the following exception:

The ICP-AES total metals MB 680-395507/1-A was contaminated with selenium at a concentration \geq method detection limit (MDL) and \leq reporting limit (RL). Sample data was qualified in the following samples due to method blank contamination:

Total selenium was reported as non-detected (U) at the RL for the following samples since the selenium results were \geq MDL and \leq RL: 680-115432-9 through -12

Field Blanks

No field blanks were submitted with these samples.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed (on sample SJBB-080915-11) for all analyses except alkalinity, TSS, and TDS. No MS/MSDs were analyzed for hardness. An MS and MSD were also performed for total and dissolved mercury on sample SJLP-080915-11.

Spike recoveries met the 75-125 percent recovery (%R) metals criteria and the 20 Relative Percent Difference (RPD) criteria from the NFG except for the following:

- Several total analyte spike recoveries (aluminum, barium, calcium, iron, manganese, magnesium, potassium, and sodium) for sample SJBB-080915-11 and SJLP-080915-11 were outside QC limits in the MS and MSD. Since the laboratory qualified these results with a "4" indicating the parent sample concentrations were greater than four times the spiked amount, no qualifications are necessary. Antimony (16/17%), molybdenum (57/55%) and zinc (-/67%) were recovered below QC limits in sample SJBB-080915-11 (associated samples 680-115432-1 through -8). The positive results for antimony, molybdenum and zinc were estimated (J-) in associated samples associated samples 680-115432-1 through -8 due to potential low bias; the quantitation limits for non-detected results were flagged "UJ" as estimated. Antimony (37/39%) and zinc (-/65%) recovered below QC limits in sample SJLP-080915-11 (assoc. samples 690-115432-9 through -12). The positive results for total antimony and zinc were estimated (J-) in associated samples 690-115432-9 through -12 due to potential low bias.
- Dissolved calcium, magnesium, and sodium were outside QC limits in the MS and MSD for sample SJBB-080915-11. Since the laboratory qualified these results with a "4" indicating the parent sample concentrations were greater than four times the spiked amount, no qualifications are necessary.

Laboratory Duplicate Samples

Total metals and alkalinity laboratory duplicate analyses were performed on surface water samples SJBB-080915-11 and SJLP-080915-11. A total alkalinity laboratory duplicate was also performed on sample SJ4C-080915-11. A TSS duplicate was performed on sample MECT-080915-11. A TDS lab duplicate was performed on samples SJBB-080915-11 and SJME-080915-11.

Duplicate precision criteria were met for laboratory duplicate sample results greater than five times the RL. RPDs were less than 20% for aqueous samples. For sample results less than five times the RL, the absolute difference between the laboratory duplicate and the original sample was less than the RL. Barium (RPD 28) did exceed the RPD criteria of 20 in total laboratory duplicate SJLP-080915-11. Professional judgment was used in not qualifying data due to the high barium concentration.

Laboratory Control Samples (Blank Spikes)

At least one laboratory control sample (LCS) analysis was analyzed per QC batch and, for some analyses, a duplicate LCS (LCSD) was also analyzed. All LCS analyte recoveries were within 70-130%R NFG control limit for metals and mercury and within the 20% RPD NFG control limit for metals and mercury. Recoveries were within the lab control limits for wet chemistry parameters.

Total vs. Dissolved Metals Results Evaluation

Total Metals results were greater than the Dissolved Metals results and/or within the 10 percent difference (%D) QC limits for all metals analytes except for the following:

Sample ID	Analyte	Total Conc.	Dissolved Conc.	%D	Qualifier
	Mo	1.7 μg/L	2.4 μg/L	41%	J
SJM H-080915-11					
SJSR-080915-11	Mo	1.3µg/L	1.5 μg/L	15%	J
SJHB-080915-11	Mo	1.1 μg/L	1.5 μg/L	36 %	J
SJME-080915-11	Mo	1.7 μg/L	2.1 μg/L	23 %	J
SJME-080915-12	Mo	1.4 μg/L	2.1 μg/L	43 %	J

Sample results were qualified as indicated above.

Field Duplicates

Samples SJME-080915-11 and SJME-080915-12 are field duplicates and all calculated %RPDs were less than 30% with the following exceptions: dissolved aluminum (56%) and dissolved iron (54%). These two analytes were estimated (J) in samples SJME-080915-11 and SJME-080915-12; direction of bias uncertain.

Sample Dilution and Detection Limits

The laboratory correctly "J" flagged results less than the reporting limits. The data validator retained the J qualifier unless the analyte was qualified as non-detected for blank contamination.

Sample SJMH-080915-11 was diluted 10 fold for total potassium. Total metals sample SJBB-080915-11, SJMC-080915-11, SJDS-080915-11, SJSR-080915-11, SJ4C-080915-11, SJFP-080915-11, and SJHB-080915-11 were diluted two fold for cadmium, SJMH-080915-11 was diluted five fold for barium, cadmium and nickel.

Raw data were not provided or evaluated for this Level 2 package to verify results and analytical dilution.

DATA QUALIFIER DEFINITIONS

For the purpose of Data Validation, the following code letters and associated definitions are provided for use by the data validator to summarize the data quality.

- R Reported value is "rejected." Resampling or reanalysis may be necessary to verify the presence or absence of the compound.
- J The associated numerical value is an estimated quantity because the Quality Control criteria were not met.
- J+ The associated numerical value is estimated with a high bias because the Quality Control criteria were not met.
- J- The associated numerical value is estimated with a low bias because the Quality Control criteria were not met.
- UJ The reported quantitation limit is estimated because Quality Control criteria were not met. Element or compound was not detected.
- The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- NR Result was not used from a particular sample analysis. This typically occurs
 when more than one result for an element is reported due to dilutions and
 reanalyses.

ATTACHMENT RESULTS SUMMARY SHEETS WITH QUALIFIERS

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJBB-080915-11 Lab Sample ID: 680-115432-1

Date Collected: 08/09/15 18:25 Matrix: Water Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Meta Analyte	, ,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Aluminum	53000	***************************************	200	24	ug/L	principal number	08/11/15 12:52	08/11/15 21:45	
Calcium	130000		500	25	ug/L		08/11/15 12:52	08/11/15 21:45	
Iron	43000		50	17	ug/L		08/11/15 12:52	08/11/15 21:45	
Magnesium	26000		500	33	ug/L		08/11/15 12:52	08/11/15 21:45	
Potassium	13000		1000	17	ug/L		08/11/15 12:52	08/11/15 21:45	
Sodium	35000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:45	
Method: 200.7 Rev 4.4 - Meta	als (ICP) - Dis	solved							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Aluminum, Dissolved	24	Ū	200	24	ug/L		08/11/15 12:52	08/11/15 20:26	
Calcium, Dissolved	57000		500	25	ug/L		08/11/15 12:52	08/11/15 20:26	
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:26	
Potassium, Dissolved	3400		1000	17	ug/L		08/11/15 12:52	08/11/15 20:26	
Magnesium, Dissolved	8000		500	33	ug/L		08/11/15 12:52	08/11/15 20:26	
Sodium, Dissolved	31000		1000	480	ug/L		08/11/15 12:52	08/11/15 20:26	
Method: 2340B-2011 - Total !	Hardness (as	CaCO3) by	calculation	l					
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Total Hardness	430	No.//	3.3	3.3	mg/L		***************************************	08/11/15 21:45	***************************************
Method: 245.1 - Mercury (CV	'AA)								
* ·		Qualifier	RL	MDL		D	Prepared	Analyzed	Dii Fa
Method: 245.1 - Mercury (CV Analyte Mercury			RL 0.20	MDL 0.080		<u>D</u>	Prepared 08/11/15 13:44	Analyzed 08/11/15 20:36	Dil Fa
Analyte Mercury	Result 0.080	U				<u>D</u>	<u> </u>	-	Dil Fa
Analyte	Result 0.080 (AA) - Dissolv Result	U /ed Qualifier		0.080 M DL	ug/L. Unit	<u>D</u>	<u> </u>	-	Dii Fa
Analyte Mercury Method: 245.1 - Mercury (CV Analyte	Result 0.080 (AA) - Dissolv	U /ed Qualifier	0.20	0.080	ug/L. Unit	***************************************	08/11/15 13:44	08/11/15 20:36 Analyzed	
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved	Result 0.080 (AA) - Dissolv Result	U /ed Qualifier	0.20 RL	0.080 M DL	ug/L. Unit	***************************************	08/11/15 13:44 Prepared	08/11/15 20:36 Analyzed	
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved General Chemistry	Result 0.080 (AA) - Dissolv Result 0.080	U /ed Qualifier	0.20 RL	0.080 M DL	Unit ug/L Unit	***************************************	08/11/15 13:44 Prepared	08/11/15 20:36 Analyzed	Dil Fa
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved General Chemistry Analyte	Result 0.080 (AA) - Dissolv Result 0.080	Ved Qualifier U	0.20 RL 0.20	0.080 MDL 0.080	ug/L. Unit ug/L	D	08/11/15 13:44 Prepared 08/11/15 13:44	08/11/15 20:36 Analyzed 08/11/15 19:56	Dil Fa
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved General Chemistry Analyte pH	Result	Ved Qualifier U	0.20 RL 0.20 NONE	0.080 MDL 0.080 NONE	Unit ug/L Unit	D	08/11/15 13:44 Prepared 08/11/15 13:44	08/11/15 20:36 Analyzed 08/11/15 19:56 Analyzed	Dil Fa
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved General Chemistry Analyte pH Analyte	Result	Ved Qualifier U Qualifier	0.20 RL 0.20 NONE	0.080 MDL 0.080 NONE	Unit ug/L Unit SU	D	Prepared 08/11/15 13:44 Prepared 08/11/15 13:44 Prepared	08/11/15 20:36 Analyzed 08/11/15 19:56 Analyzed 08/11/15 18:38	Dil Fa
Analyte Mercury Method: 245.1 - Mercury (CV	Result 0.080	Ved Qualifier U Qualifier	0.20 RL 0.20 NONE	0.080 MDL 0.080 NONE RL 5.0	Unit ug/L Unit SU Unit	D	Prepared 08/11/15 13:44 Prepared 08/11/15 13:44 Prepared	08/11/15 20:36 Analyzed 08/11/15 19:56 Analyzed 08/11/15 18:38 Analyzed	

TestAmerica Savannah

Client: Weston Solutions, Inc.

Date Collected: 08/09/15 19:05

Project/Site: Gold King Mine - Region 9

Client Sample ID: SJMH-080915-11

TestAmerica Job ID: 680-115432-1

Lab Sample ID: 680-115432-2

Matrix: Water

Method: 200.7 Rev 4.4 - Meta Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Aluminum	180000	***************************************	200	24	ug/L		08/11/15 12:52	08/11/15 22:22	
Calcium	480000		500	25	ug/L		08/11/15 12:52	08/11/15 22:22	
Iron	85000		50	17	ug/L		08/11/15 12:52	08/11/15 22:22	
Magnesium	95000		500	33	ug/L		08/11/15 12:52	08/11/15 22:22	
Potassium	46000		10000	170	ug/L		08/11/15 12:52	08/12/15 10:02	1
Sodium	58000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:22	
Method: 200.7 Rev 4.4 - Meta	ıls (ICP) - Dis	solved							
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Aluminum, Dissolved	24	Ū	200	24	ug/L	******	08/11/15 12:52	08/11/15 20:45	***************************************
Calcium, Dissolved	56000		500	25	ug/L		08/11/15 12:52	08/11/15 20:45	
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:45	
Potassium, Dissolved	4400		1000	17	ug/L		08/11/15 12:52	08/11/15 20:45	
Magnesium, Dissolved	8500		500	33	ug/L		08/11/15 12:52	08/11/15 20:45	
	44000		1000	400	ug/L		00/44/45 40:50	08/11/15 20:45	
Sodium, Dissolved	44000		1000	400	ugru		00/11/10 12.02	00/11/10/20:40	
·		CaCO3) by			ugre		06/11/15 12.52	00/11/10/20:40	
Method: 2340B-2011 - Total I	-lardness (as	CaCO3) by		1	Unit	D	Prepared	Analyzed	
Method: 2340B-2011 - Total I Analyte	-lardness (as		y calculation	n RL	· ·	<u>D</u>			
Method: 2340B-2011 - Total I Analyte Total Hardness	Hardness (as Result 1600		y calculatior RL	n RL	Unit	<u>D</u>		Analyzed	
Method: 2340B-2011 - Total h Analyte Total Hardness Method: 245.1 - Mercury (CV Analyte	Hardness (as Result 1600 AA)	Qualifier Qualifier	y calculation RL 3.3	RL 3.3 MDL	Unit mg/L Unit	<u>D</u>		Analyzed	Dil Fa
Method: 2340B-2011 - Total I Analyte Total Hardness Method: 245.1 - Mercury (CV	Hardness (as Result 1600	Qualifier Qualifier	y calculation RL 3.3	n RL 3.3	Unit mg/L Unit		Prepared	Analyzed 08/11/15 22:22	Dil Fa
Method: 2340B-2011 - Total I Analyte Total Hardness Method: 245.1 - Mercury (CV Analyte Mercury Method: 245.1 - Mercury (CV	Hardness (as Result 1600 AA) Result 0.080 AA) - Dissolv	Qualifier Qualifier U	y calculation RL 3.3 RL 0.20	RL 3.3 MDL	Unit mg/L Unit		Prepared Prepared	Analyzed 08/11/15 22:22 Analyzed	Dil Fa
Method: 2340B-2011 - Total I Analyte Total Hardness Method: 245.1 - Mercury (CV Analyte Mercury Method: 245.1 - Mercury (CV Analyte	Hardness (as Result 1600 AA) Result 0.080 AA) - Dissolv Result	Qualifier Qualifier U /ed Qualifier	y calculation RL 3.3 RL 0.20	RL 3.3 MDL 0.080	Unit mg/L Unit ug/L Unit		Prepared Prepared	Analyzed 08/11/15 22:22 Analyzed	Dil Fa
Method: 2340B-2011 - Total I Analyte Total Hardness Method: 245.1 - Mercury (CV Analyte Mercury Method: 245.1 - Mercury (CV Analyte	Hardness (as Result 1600 AA) Result 0.080 AA) - Dissolv	Qualifier Qualifier U /ed Qualifier	y calculation RL 3.3 RL 0.20	RL 3.3 MDL 0.080	Unit mg/L Unit ug/L Unit	D	Prepared Prepared 08/11/15 13:44	Analyzed 08/11/15 22:22 Analyzed 08/11/15 20:55	Dil Fa
Method: 2340B-2011 - Total I Analyte Total Hardness Method: 245.1 - Mercury (CV Analyte	Hardness (as Result 1600 AA) Result 0.080 AA) - Dissolv Result	Qualifier Qualifier U /ed Qualifier	y calculation RL 3.3 RL 0.20	RL 3.3 MDL 0.080	Unit mg/L Unit ug/L Unit	D	Prepared Prepared 08/11/15 13:44 Prepared	Analyzed 08/11/15 22:22 Analyzed 08/11/15 20:55 Analyzed	Dil Fa
Method: 2340B-2011 - Total h Analyte Total Hardness Method: 245.1 - Mercury (CV. Analyte Mercury Method: 245.1 - Mercury (CV. Analyte Mercury, Dissolved General Chemistry Analyte	Hardness (as Result 1600 AA) Result 0.080 AA) - Dissolv Result 0.080 Result	Qualifier U /ed Qualifier U Qualifier U	y calculation RL 3.3 RL 0.20	RL 3.3 MDL 0.080	Unit mg/L Unit ug/L Unit ug/L Unit ug/L	D	Prepared Prepared 08/11/15 13:44 Prepared	Analyzed 08/11/15 22:22 Analyzed 08/11/15 20:55 Analyzed 08/11/15 20:14 Analyzed	Dil Fa
Method: 2340B-2011 - Total h Analyte Total Hardness Method: 245.1 - Mercury (CV. Analyte Mercury Method: 245.1 - Mercury (CV. Analyte Mercury, Dissolved General Chemistry Analyte	Hardness (as Result 1600 AA) Result 0.080 AA) - Dissolv Result 0.080	Qualifier U /ed Qualifier U Qualifier U	y calculation RL 3.3 RL 0.20 RL 0.20	MDL 0.080	Unit mg/L Unit ug/L Unit ug/L	D	Prepared 08/11/15 13:44 Prepared 08/11/15 13:44	Analyzed 08/11/15 22:22 Analyzed 08/11/15 20:55 Analyzed 08/11/15 20:14	Dil Fa
Method: 2340B-2011 - Total In Analyte Total Hardness Method: 245.1 - Mercury (CV. Analyte Mercury Method: 245.1 - Mercury (CV. Analyte Mercury, Dissolved General Chemistry Analyte DH	Hardness (as Result 1600 AA) Result 0.080 AA) - Dissolv Result 0.080 Result 8.12	Qualifier U /ed Qualifier U Qualifier U	y calculation RL 3.3 RL 0.20 RL 0.20	MDL 0.080 MDL 0.080	Unit mg/L Unit ug/L Unit ug/L Unit ug/L	D	Prepared 08/11/15 13:44 Prepared 08/11/15 13:44	Analyzed 08/11/15 22:22 Analyzed 08/11/15 20:55 Analyzed 08/11/15 20:14 Analyzed	Dil Fa
Method: 2340B-2011 - Total I Analyte Total Hardness Method: 245.1 - Mercury (CV. Analyte Mercury Method: 245.1 - Mercury (CV. Analyte Mercury, Dissolved General Chemistry Analyte PH Analyte	Hardness (as Result 1600 AA) Result 0.080 AA) - Dissolv Result 0.080 Result 8.12	Qualifier U /ed Qualifier U Qualifier HF	y calculation RL 0.20 RL 0.20	MDL 0.080 MDL 0.080	Unit mg/L Unit ug/L Unit ug/L Unit sU		Prepared 08/11/15 13:44 Prepared 08/11/15 13:44 Prepared	Analyzed 08/11/15 22:22 Analyzed 08/11/15 20:55 Analyzed 08/11/15 20:14 Analyzed 08/11/15 18:44	Dil Fa
Method: 2340B-2011 - Total I Analyte Total Hardness Method: 245.1 - Mercury (CV Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved	Hardness (as Result 1600 AA) Result 0.080 AA) - Dissolv Result 0.080 Result 8.12 Result	Qualifier U /ed Qualifier U Qualifier HF	y calculation RL 3.3 RL 0.20 RL 0.20	MDL 0.080 MDL 0.080 NONE RL 5.0	Unit mg/L Unit ug/L Unit ug/L Unit Unit Unit Unit		Prepared 08/11/15 13:44 Prepared 08/11/15 13:44 Prepared	Analyzed 08/11/15 22:22 Analyzed 08/11/15 20:55 Analyzed 08/11/15 20:14 Analyzed 08/11/15 18:44 Analyzed	Dil Fa

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Lab Sample ID: 680-115432-3

Matrix: Water

Client Sample ID: SJMC-080915-11 Date Collected: 08/09/15 17:50 Date Received: 08/11/15 09:39

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	46000		200	24	ug/L	innervena insk	08/11/15 12:52	08/11/15 22:27	1
Calcium	97000		500	25	ug/L		08/11/15 12:52	08/11/15 22:27	1
Iron	38000		50	17	ug/L		08/11/15 12:52	08/11/15 22:27	1
Magnesium	21000		500	33	ug/L		08/11/15 12:52	08/11/15 22:27	1
Potassium	11000		1000	17	ug/L		08/11/15 12:52	08/11/15 22:27	1
Sodium	32000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:27	1
Method: 200.7 Rev 4.4 - Metals	s (ICP) - Dis	solved							
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	28	J	200	24	ug/L		08/11/15 12:52	08/11/15 20:50	1
Calcium, Dissolved	57000		500	25	ug/L		08/11/15 12:52	08/11/15 20:50	1
Iron, Dissolved	17	Ú	50	17	ug/L		08/11/15 12:52	08/11/15 20:50	1
Potassium, Dissolved	3000		1000	17	ug/L		08/11/15 12:52	08/11/15 20:50	1
Magnesium, Dissolved	8200		500	33	ug/L		08/11/15 12:52	08/11/15 20:50	1
Sodium, Dissolved	30000		1000	480	ug/L		08/11/15 12:52	08/11/15 20:50	1
Method: 2340B-2011 - Total Ha	ardness (as	CaCO3) by	calculatio	1					
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	330		3.3	3.3	mg/L			08/11/15 22:27	
Method: 245.1 - Mercury (CVA	A)								
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U T	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:58	1
Method: 245.1 - Mercury (CVA									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:17	1
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE		D	Prepared	Analyzed	Dil Fac
pH	8.14	HF J			SU			08/11/15 18:51	1
Analyte	Result	Qualifier	RL.	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	100	***************************************	5.0	5.0	mg/L			08/11/15 18:51	
Total Suspended Solids	3300		50	50	mg/L			08/11/15 11:35	1
Total Dissolved Solids	160		10		mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Lab Sample ID: 680-115432-4

Matrix: Water

Client Sample ID: SJDS-080915-11 Date Collected: 08/09/15 13:15

Date Received: 08/11/15 09:39

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Aluminum	31000		200	24	ug/L	***************************************	08/11/15 12:52	08/11/15 22:32	
Calcium	72000		500	25	ug/L		08/11/15 12:52	08/11/15 22:32	
Iron	31000		50	17	ug/L		08/11/15 12:52	08/11/15 22:32	
Magnesium	14000		500	33	ug/L		08/11/15 12:52	08/11/15 22:32	
Potassium	8100		1000	17	ug/L		08/11/15 12:52	08/11/15 22:32	
Sodium	26000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:32	
Method: 200.7 Rev 4.4 - Metal	ls (ICP) - Dis	solved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Aluminum, Dissolved	1400	****	200	24	ug/L	water water	08/11/15 12:52	08/11/15 20:54	
Calcium, Dissolved	54000		500	25	ug/L		08/11/15 12:52	08/11/15 20:54	
Iron, Dissolved	1000		50	17	ug/L		08/11/15 12:52	08/11/15 20:54	
Potassium, Dissolved	2800		1000	17	ug/L		08/11/15 12:52	08/11/15 20:54	
Magnesium, Dissolved	6800		500	33	ug/L		08/11/15 12:52	08/11/15 20:54	
Sodium, Dissolved	24000		4000	400	ug/L		08/11/16 12:52	08/11/15 20:54	
Codium, Dissolved	24000		1000	400	ug/L		00/11/10 12.02	00/11/10 20:04	
		CaCO3) by			ug/L		00/11/13 12.32	00/11/10/20:04	
Method: 2340B-2011 - Total H	lardness (as	CaCO3) by Qualifier		ı	Unit	D	Prepared	Analyzed	Díl Fa
Method: 2340B-2011 - Total H Analyte	lardness (as		calculation	ı RL	-	<u>D</u>			Dil F
Method: 2340B-2011 - Total H Analyte Total Hardness	lardness (as Result 240		calculation	ı RL	Unit	<u>D</u>		Analyzed	Dil Fa
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA	lardness (as Result 240		calculation	ı RL	Unit mg/L	<u>D</u>		Analyzed	Accessoration
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte	lardness (as Result 240	Qualifier Qualifier	calculation RL 3.3	RL 3.3	Unit mg/L Unit		Prepared Prepared	Analyzed 08/11/15 22:32 Analyzed	Dil Fa
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte Mercury	AA) Result 240 Result 0.080	Qualifier Qualifier U	calculation RL 3.3	RL 3.3 MDL	Unit mg/L Unit		Prepared Prepared	Analyzed 08/11/15 22:32 Analyzed	Accessoration
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte Mercury Method: 245.1 - Mercury (CVA Analyte	AA) - Dissolv	Qualifier Qualifier U red Qualifier	RL 0.20	RL 3.3 MDL 0.080	Unit mg/L Unit ug/L		Prepared Prepared 08/11/15 13:44 Prepared	Analyzed 08/11/15 22:32 Analyzed	ACTION AND ASSESSMENT OF THE PARTY OF THE PA
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte Mercury Method: 245.1 - Mercury (CVA Analyte	AA) - Dissolv	Qualifier Qualifier U red Qualifier	RL 0.20	RL 3.3 MDL 0.080	Unit mg/L Unit ug/L	D	Prepared Prepared 08/11/15 13:44	Analyzed 08/11/15 22:32 Analyzed 08/11/15 21:01	Dil F
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte Mercury Method: 245.1 - Mercury (CVA Analyte Mercury, Dissolved	AA) - Dissolv	Qualifier Qualifier U red Qualifier	RL 0.20	RL 3.3 MDL 0.080	Unit mg/L Unit ug/L	D	Prepared Prepared 08/11/15 13:44 Prepared	Analyzed 08/11/15 22:32 Analyzed 08/11/15 21:01 Analyzed	Dil F
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte Mercury Method: 245.1 - Mercury (CVA Analyte Mercury, Dissolved	AA) - Dissolv Result 0.080 AA) - Dissolv Result 0.080	Qualifier Qualifier U red Qualifier	RL 0.20	RL 3.3 MDL 0.080	Unit mg/L Unit ug/L Unit ug/L	D	Prepared Prepared 08/11/15 13:44 Prepared	Analyzed 08/11/15 22:32 Analyzed 08/11/15 21:01 Analyzed	Dil F
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte Mercury Method: 245.1 - Mercury (CVA Analyte Mercury, Dissolved General Chemistry	AA) - Dissolv Result 0.080 AA) - Dissolv Result 0.080	Qualifier U /ed Qualifier U /ed Qualifier U	RL 0.20	MDL 0.080	Unit mg/L Unit ug/L Unit ug/L	D_	Prepared 08/11/15 13:44 Prepared 08/11/15 13:44	Analyzed 08/11/15 22:32 Analyzed 08/11/15 21:01 Analyzed 08/11/15 20:20	Dil F
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte Mercury Method: 245.1 - Mercury (CVA Analyte Mercury, Dissolved General Chemistry Analyte pH	AA) Result 0.080 AA) Pissolv Result 0.080 Result 0.080	Qualifier U /ed Qualifier U Qualifier U	RL 0.20	RL 3.3 MDL 0.080 MDL 0.080	Unit mg/L Unit ug/L Unit ug/L Unit	D_	Prepared 08/11/15 13:44 Prepared 08/11/15 13:44	Analyzed 08/11/15 22:32 Analyzed 08/11/15 21:01 Analyzed 08/11/15 20:20 Analyzed	Dil F
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte Mercury Method: 245.1 - Mercury (CVA Analyte Mercury, Dissolved General Chemistry Analyte pH Analyte Analyte	AA) Result 0.080 AA) Pissolv Result 0.080 Result 0.080	Qualifier U Qualifier U Qualifier U Qualifier HF	RL 0.20	RL 3.3 MDL 0.080 MDL 0.080	Unit mg/L Unit ug/L Unit ug/L Unit		Prepared 08/11/15 13:44 Prepared 08/11/15 13:44 Prepared	Analyzed 08/11/15 22:32 Analyzed 08/11/15 21:01 Analyzed 08/11/15 20:20 Analyzed 08/11/15 18:58	Dil F
Method: 2340B-2011 - Total H Analyte Total Hardness Method: 245.1 - Mercury (CVA Analyte	AA) - Dissolv Result 0.080 AA) - Result 0.080 Result 0.080 Result 0.080	Qualifier U Qualifier U Qualifier U Qualifier HF	RL 0.20 NONE	MDL 0.080 MDL 0.080 NONE RL 5.0	Unit mg/L Unit ug/L Unit ug/L Unit Unit Unit		Prepared 08/11/15 13:44 Prepared 08/11/15 13:44 Prepared	Analyzed 08/11/15 22:32 Analyzed 08/11/15 21:01 Analyzed 08/11/15 20:20 Analyzed 08/11/15 18:58 Analyzed	Dil F

TestAmerica Savannah

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Client: Weston Solutions, Inc.

Date Collected: 08/09/15 12:35

Project/Site: Gold King Mine - Region 9

Client Sample ID: SJSR-080915-11

TestAmerica Job ID: 680-115432-1

Lab Sample ID: 680-115432-5

Matrix: Water

Method: 200.7 Rev 4.4 - Meta Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa
Aluminum	43000		200	24	ug/L		08/11/15 12:52	08/11/15 22:36	
Calcium	74000		500	25	ug/L		08/11/15 12:52		
Iron	40000		50		ug/L		08/11/15 12:52		
Magnesium	16000		500	33	ug/L			08/11/15 22:36	
Potassium	9700		1000		ug/L			08/11/15 22:36	
Sodium	29000		1000		ug/L			08/11/15 22:36	
Method: 200.7 Rev 4.4 - Meta	als (ICP) - Dis	solved							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Aluminum, Dissolved	1800	***************************************	200	24	ug/L		08/11/15 12:52	08/11/15 21:08	
Calcium, Dissolved	51000		500	25	ug/L		08/11/15 12:52	08/11/15 21:08	
Iron, Dissolved	1300		50	17	ug/L		08/11/15 12:52	08/11/15 21:08	
Potassium, Dissolved	2900		1000	17	ug/L		08/11/15 12:52	08/11/15 21:08	
Magnesium, Dissolved	6500		500	33	ug/L		08/11/15 12:52	08/11/15 21:08	
Sodium, Dissolved	26000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:08	
Method: 2340B-2011 - Total	Hardness (as	CaCO3) by	calculation						
Analyte		Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total Hardness	250	World Product Product control of the American Company of the Compa	3.3	3.3	mg/L			08/11/15 22:36	
Method: 245.1 - Mercury (CV									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Mercury	0.080	Ū	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:04	
Method: 245.1 - Mercury (CV									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:24	
General Chemistry									
Analyte		Qualifier 7	NONE	NONE		D	Prepared	Analyzed	Dil Fa
pH	8.11	Ht 7			SU			08/11/15 19:05	
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Alkalinity	95		5.0	5.0	mg/L	interestration graphics		08/11/15 19:05	***************************************
Total Commanded Calida	1600		50	50	mg/L			08/11/15 11:35	
Total Suspended Solids	1000		00	30	myrc			00/11/10 11.00	

10

10 mg/L

TestAmerica Savannah

08/11/15 14:33

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320

8/12/2015

Total Dissolved Solids

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJ4C-080915-11

Date Collected: 08/09/15 15:31 Date Received: 08/11/15 09:39 Lab Sample ID: 680-115432-6

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (I									
Analyte		Qualifier	RL _	MDL		<u>D</u>	Prepared	Analyzed	Dil F
Aluminum	33000		200		ug/L		08/11/15 12:52		
Calcium	87000		500		ug/L			08/11/15 22:41	
lron	35000		50		ug/L			08/11/15 22:41	
Magnesium	17000		500		ug/L		and the state of t	08/11/15 22:41	
Potassium	9300		1000	and the second	ug/L	and Lagrence		08/11/15 22:41	
Sodium	26000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:41	2.5
Method: 200.7 Rev 4.4 - Metals (I	CP) - Dis	solved				garis (Service)			
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil F
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 21:13	
Calcium, Dissolved	55000		500	25	ug/L	the same	08/11/15 12:52	08/11/15 21:13	181
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 21:13	
Potassium, Dissolved	2800	Same Sales	1000	17	ug/L		08/11/15 12:52	08/11/15 21:13	
Magnesium, Dissolved	6800		500	33	ug/L		08/11/15 12:52	08/11/15 21:13	
Sodium, Dissolved	24000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:13	
Method: 2340B-2011 - Total Hard	iness (as	CaCO3) by	calculation						
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	DIIF
Total Hardness	290		3.3	3.3	mg/L			08/11/15 22:41	*************
Method: 245.1 - Mercury (CVAA)									
Analyte		Qualifier	RL	****	Unit	D	Prepared	Analyzed	DII F
			The second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section of the second section is a second section of the second section is a second section of the second section of the second section is a second section of the second section of the second section is a second section of the second section of the second section is a second section of the section of the section of the second section of the section	MUL			a confinence and an	E SA SANS & SHAPE AND	46.55.5
Mercury	0.080	U	0.20	0.080			08/11/15 13:44		
			the street was a second						
Method: 245.1 - Mercury (CVAA)	- Dissolv		the street was a second		ug/L	0			
Method: 245.1 - Mercury (CVAA) Analyte Mercury, Dissolved	- Dissolv	/ed Qualifier	0.20	0.080	ug/L Unit		08/11/15 13:44	08/11/15 21:07 Analyzed	
Method: 245.1 - Mercury (CVAA) Analyte Mercury, Dissolved	- Dissolv Result	/ed Qualifier	0.20 RL	0.080 MDL	ug/L Unit		08/11/15 13:44 Prepared	08/11/15 21:07 Analyzed	
Method: 245.1 - Mercury (CVAA) Analyte Mercury, Dissolved General Chemistry	- Dissolv Result 0.080	/ed Qualifier	0.20 RL	0.080 MDL	ug/L Unit ug/L		08/11/15 13:44 Prepared	08/11/15 21:07 Analyzed	
Method: 245.1 - Mercury (CVAA) Analyte Mercury, Dissolved General Chemistry Analyte	- Dissolv Result 0.080	/ed Qualifier U	0.20 RL 0.20	0.080 MDL 0.080	ug/L Unit ug/L	D	08/11/15 13:44 Prepared 08/11/15 13:44	08/11/15 21:07 Analyzed 08/11/15 20:27	DIII
Method: 245.1 - Mercury (CVAA) Analyte Mercury, Dissolved General Chemistry Analyte	- Dissolv Result 0.080 Result 8.08	/ed Qualifier U	0.20 RL 0.20	0.080 MDL 0.080 NONE	Unit ug/L Unit	D	08/11/15 13:44 Prepared 08/11/15 13:44	08/11/15 21:07 Analyzed 08/11/15 20:27 Analyzed	DIII
Method: 245.1 - Mercury (CVAA) Analyte Mercury, Dissolved General Chemistry Analyte DH Analyte	- Dissolv Result 0.080 Result 8.08	Qualifier Qualifier HF	0.20 RL 0.20 NONE	0.080 MDL 0.080 NONE	Unit ug/L Unit SU		Prepared 08/11/15 13:44 Prepared 08/11/15 13:44 Prepared	08/11/15 21:07 Analyzed 08/11/15 20:27 Analyzed 08/11/15 19:12	וום
Method: 245.1 - Mercury (CVAA) Analyte	- Dissolv Result 0.080 Result 8.08 Result	Qualifier Qualifier HF	0.20 RL 0.20 NONE	0.080 MDL 0.080 NONE RL 5.0	Unit ug/L Unit SU Unit		Prepared 08/11/15 13:44 Prepared 08/11/15 13:44 Prepared	08/11/15 21:07 Analyzed 08/11/15 20:27 Analyzed 08/11/15 19:12 Analyzed	וום

TestAmerica Savannah

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Client: Weston Solutions, Inc.

Date Collected: 08/09/15 10:15

Project/Site: Gold King Mine - Region 9

Client Sample ID: SJFP-080915-11

TestAmerica Job ID: 680-115432-1

Lab Sample ID: 680-115432-7

Matrix: Water

Date Received: 08/11/15 09:39 Method: 200.7 Rev 4.4 - Metals (ICP) Result Qualifier MDL Analyte RL Unit Prepared Analyzed **Dil Fac** 200 08/11/15 13:06 08/11/15 22:45 Aluminum 25000 24 ug/L 500 08/11/15 13:06 08/11/15 22:45 Calcium 64000 25 ug/L 22000 50 17 ug/L 08/11/15 13:06 08/11/15 22:45 Iron 13000 500 08/11/15 13:06 08/11/15 22:45 Magnesium 33 ug/L Potassium 7300 1000 17 ug/L 08/11/15 13:06 08/11/15 22:45 Sodium 22000 1000 480 08/11/15 13:06 08/11/15 22:45 ug/L Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved Dil Fac MDL Analyte Result Qualifier RL Unit Prepared Analyzed 24 U Aluminum, Dissolved 200 24 ug/L 08/11/15 12:52 08/11/15 21:17 Calcium, Dissolved 50000 500 25 08/11/15 12:52 08/11/15 21:17 1 ug/L Iron, Dissolved 17 U 50 17 08/11/15 12:52 08/11/15 21:17 ug/L Potassium, Dissolved 2300 1000 17 ug/L 08/11/15 12:52 08/11/15 21:17 08/11/15 12:52 08/11/15 21:17 Magnesium, Dissolved 6500 500 33 ug/L Sodium, Dissolved 20000 1000 480 ug/L 08/11/15 12:52 08/11/15 21:17 Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation Analyte Result Qualifier RL Unit D Prepared Analyzed **DII Fac** RL **Total Hardness** 210 3.3 3.3 mg/L 08/11/15 22:45 Method: 245.1 - Mercury (CVAA) Result Qualifier RL MDL Unit Prepared Analyzed **Dil Fac** Analyte D 0.080 U 0.20 0.080 08/11/15 13:44 08/11/15 21:10 Mercury ug/L Method: 245.1 - Mercury (CVAA) - Dissolved Result Qualifier RL MDL Unit Analyzed Dil Fac Prepared Analyte Mercury, Dissolved 0.080 U 0.20 0.080 ug/L 08/11/15 13:44 08/11/15 20:30 **General Chemistry** Analyte Result Qualifier NONE NONE Unit Prepared Analyzed Dil Fac

RL

5.0

50

10

8.03 HF

93 1100

240

Result

Qualifier

SU

50 mg/L

10 mg/L

D

Prepared

RL Unit

5.0 mg/L

Orghalic

08/11/15 19:31

Analyzed

08/11/15 19:31

08/11/15 13:06

08/11/15 14:33

Dil Fac

1

1

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нα

Analyte

Alkalinity

Total Suspended Solids

Total Dissolved Solids

Client: Weston Solutions, Inc. Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJHB-080915-11

Date Collected: 08/09/15 11:31 Date Received: 08/11/15 09:39

Lab Sample ID: 680-115432-8

Matrix: Water

ate Received: 08/11/15 09:39	******								mineral estimate popular columbicaries
Method: 200.7 Rev 4.4 - Metals (IC									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	DIIF
Aluminum	35000		200		ug/L		08/11/15 13:06		
Calcium	81000		500		ug/L	de de la companya de La companya de la companya de	08/11/15 13:06	공기 기가 되는 이 지나 되었다.	
Iron	31000		50		ug/L			08/11/15 22:59	
Magnesium	16000		500		ug/L			08/11/15 22:59	
Potassium	9200		1000		ug/L			08/11/15 22:59	
Sodium	24000		1000	480	ug/L	Salan.	08/11/15 13:06	08/11/15 22:59	
Method: 200.7 Rev 4.4 - Metals (IC	P) - Dis	solved							
Analyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	DII F
Aluminum, Dissolved	330		200	24	ug/L		08/11/15 12:52		
Calcium, Dissolved	52000		500	25	ug/L		08/11/15 12:52	08/11/15 21:22	
Iron, Dissolved	220		50	17	ug/L		08/11/15 12:52	08/11/15 21:22	
Potassium, Dissolved	2500		1000	17	ug/L		08/11/15 12:52	08/11/15 21:22	
Magnesium, Dissolved	6800		500	33	ug/L		08/11/15 12:52	08/11/15 21:22	
Sodium, Dissolved	22000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:22	
Method: 2340B-2011 - Total Hardn	ess (as	CaCO3) by	calculation						
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	DIIF
Total Hardness	270		3.3	3.3	mg/L			08/11/15 22:59	***************************************
Method: 245.1 - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DIIF
Mercury	0.080	U	0.20	0.080	ug/L	arrange and	08/11/15 13:44	08/11/15 21:13	September 1990
Method: 245.1 - Mercury (CVAA) -	Dissolv	/ed							
Analyte		Qualifier	RL	MDL	Unit	a	Prepared	Analyzed	DIIF
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	manufacture and	08/11/15 13:44	08/11/15 20:33	Autorizopisarcy/1699
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	DIIF
pH	8.12	HF -	CONTRACTOR DE CONTRACTOR D		SU	-	***************************************	08/11/15 19:38	*
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	DILF
Alkalinity	94	***************************************	5.0	5.0	mġ/L	-		08/11/15 19:38	************
이 경기에 살아가 바꾸었다고 하는 것이 하는 것이 그렇게 그 맛있었다. 그리아 그 없다고	The second							08/11/15 13:06	200
Total Suspended Solids	2200		50	50	mg/L			U0/11/10 10.00	

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Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Lab Sample ID: 680-115432-9

Matrix: Water

Client Sample ID: SJLP-080915-11

Date Collected: 08/09/15 09:54 Date Received: 08/11/15 09:39

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25000		200	24	ug/L		08/11/15 13:33	08/11/15 23:18	a transportation projection of the state of
Calcium	72000		500	25	ug/L		08/11/15 13:33	08/11/15 23:18	1
ron	24000		50	17	ug/L		08/11/15 13:33	08/11/15 23:18	1
Magnesium	13000		500	33	ug/L		08/11/15 13:33	08/11/15 23:18	1
Potassium	7600		1000	17	ug/L		08/11/15 13:33	08/11/15 23:18	1
Sodium	20000		1000	480	ug/L		08/11/15 13:33	08/11/15 23:18	1
Method: 200.7 Rev 4.4 - Meta	als (ICP) - Dis	solved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 21:27	4
Calcium, Dissolved	51000		500	25	ug/L		08/11/15 12:52	08/11/15 21:27	1
ron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 21:27	
Potassium, Dissolved	2400		1000	17	ug/L		08/11/15 12:52	08/11/15 21:27	•
Magnesium, Dissolved	6600		500	33	ug/L		08/11/15 12:52	08/11/15 21:27	
Sodium, Dissolved	19000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:27	•
Method: 2340B-2011 - Total	Hardness (as	CaCO3) by	calculation	ı					
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	230		3.3	3.3	mg/L			08/11/15 23:18	
88-46-4, 045 4 88-4-101	(ΔΔ)								
wethod: 245.1 - Wercury (CV	, w								
• •		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: 245.1 - Mercury (CV Analyte Mercury			RL 0.20	MDL 0.080		<u>D</u>	Prepared 08/11/15 15:17	08/11/15 19:28	Dil Fac
Analyte Mercury	0.080	Ū				<u>D</u>			Dil Fac
Analyte Mercury Method: 245.1 - Mercury (CV Analyte	Result 0.080 'AA) - Dissolv Result	/ed Qualifier		0.080 MDL	ug/L Unit	D			had his had a had be in the high region and
Analyte Mercury Method: 245.1 - Mercury (CV Analyte	Result 0.080 (AA) - Dissolv	/ed Qualifier	0.20	0.080	ug/L Unit		08/11/15 15:17	08/11/15 19:28	tekkinikanda Harindriagh vydynyag
Analyte	Result 0.080 'AA) - Dissolv Result	/ed Qualifier	0.20 RL	0.080 MDL	ug/L Unit		08/11/15 15:17 Prepared	08/11/15 19:28 Analyzed	hadd faithe shaded the involving to region region
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved General Chemistry	Result 0.080 (AA) - Dissolv Result 0.080	/ed Qualifier	0.20 RL	0.080 MDL	ug/L Unit ug/L		08/11/15 15:17 Prepared	08/11/15 19:28 Analyzed	Dil Fa
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved General Chemistry Analyte	Result 0.080 (AA) - Dissolv Result 0.080	/ed Qualifier U	0.20 RL 0.20	0.080 MDL 0.080	ug/L Unit ug/L	<u>D</u>	08/11/15 15:17 Prepared 08/11/15 15:17	08/11/15 19:28 Analyzed 08/11/15 19:06	Dil Fa
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved General Chemistry Analyte pH	Result 0.080 (AA) - Dissolv Result 0.080 Result 8.10	Ved Qualifier U Qualifier HF	0.20 RL 0.20	0.080 MDL 0.080 NONE	ug/L Unit ug/L Unit	<u>D</u>	08/11/15 15:17 Prepared 08/11/15 15:17 Prepared	08/11/15 19:28 Analyzed 08/11/15 19:06 Analyzed 08/11/15 19:46	Dil Fa
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved General Chemistry Analyte pH Analyte	Result 0.080 (AA) - Dissolv Result 0.080 Result 8.10	/ed Qualifier U	0.20 RL 0.20 NONE	0.080 MDL 0.080 NONE	ug/L Unit ug/L Unit SU Unit	<u>D</u>	08/11/15 15:17 Prepared 08/11/15 15:17	08/11/15 19:28 Analyzed 08/11/15 19:06 Analyzed	Dil Fac
Analyte Mercury Method: 245.1 - Mercury (CV Analyte Mercury, Dissolved	Result 0.080	Ved Qualifier U Qualifier HF	0.20 RL 0.20 NONE RL	0.080 MDL 0.080 NONE	ug/L Unit ug/L Unit	<u>D</u>	08/11/15 15:17 Prepared 08/11/15 15:17 Prepared	08/11/15 19:28 Analyzed 08/11/15 19:06 Analyzed 08/11/15 19:46 Analyzed	Dil Fac

TestAmerica Savannah

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Client: Weston Solutions, Inc.

Date Received: 08/11/15 09:39

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Lab Sample ID: 680-115432-10

Matrix: Water

Client Sample ID: MECT-080915-11 Date Collected: 08/09/15 14:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8600	-	200	24	ug/L		08/11/15 13:33	08/11/15 23:36	1
Calcium	190000		500	25	ug/L		08/11/15 13:33	08/11/15 23:36	1
Iron	7600		50	17	ug/L		08/11/15 13:33	08/11/15 23:36	1
Magnesium	73000		500	33	ug/L		08/11/15 13:33	08/11/15 23:36	1
Potassium	8100		1000	17	ug/L		08/11/15 13:33	08/11/15 23:36	1
Sodium	67000		1000	480	ug/L		08/11/15 13:33	08/11/15 23:36	1
Method: 200.7 Rev 4.4 - Meta	ıls (ICP) - Dis	solved							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	62	J	200	24	ug/L		08/11/15 12:52	08/11/15 21:31	1
Calcium, Dissolved	160000		500	25	ug/L		08/11/15 12:52	08/11/15 21:31	1
Iron, Dissolved	17	J	50	17	ug/L		08/11/15 12:52	08/11/15 21:31	1
Potassium, Dissolved	5400		1000	17	ug/L		08/11/15 12:52	08/11/15 21:31	1
Magnesium, Dissolved	68000		500	33	ug/L		08/11/15 12:52	08/11/15 21:31	1
Sodium, Dissolved	67000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:31	1
Method: 2340B-2011 - Total I	Hardness (as	CaCO3) by	calculation	1					
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	780		3.3	3.3	mg/L			08/11/15 23:36	1
Method: 245.1 - Mercury (CV	AA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	Ū	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:37	1
Method: 245.1 - Mercury (CV	AA) - Dissolv	/ed							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:19	1
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.26	HF)	polytopologiskasyadastooboodoosestadon visassa	and a second	SU		Analysis and a model and A with the analysis the first blooks and	08/12/15 07:04	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	210	***************************************	5.0	5.0	mg/L	***************************************		08/12/15 07:04	1
Total Suspended Solids	620		33	33	mg/L			08/11/15 13:06	1

OFE/1/2/15

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJME-080915-11

Date Collected: 08/09/15 16:35

Lab Sample ID: 680-115432-11

Matrix: Water

Date Collected: 08/09/15 16:35 Date Received: 08/11/15 09:39		19	N					Matrix	: Water
		1)WV	Comment of the Commen	**************************************				rayungar 1994 cengu unin hidin ajin a peper Nijerapaka yaya pepaka pagada kanan	n.laslassankivassankivationakintiintiid
Method: 200.7 Rev 4.4 - Meta Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	59000	********************************	200	24	ug/L	serasnamus sentet	08/11/15 13:33	08/12/15 00:00	1
Calcium	130000		500	25	ug/L		08/11/15 13:33	08/12/15 00:00	1
Iron	47000		50	17	ug/L		08/11/15 13:33	08/12/15 00:00	1
Magnesium	27000		500	33	-		08/11/15 13:33	08/12/15 00:00	1
Potassium	15000		1000	17	-		08/11/15 13:33	08/12/15 00:00	1
Sodium	32000		1000	480	ug/L		08/11/15 13:33	08/12/15 00:00	1
- Method: 200.7 Rev 4.4 - Meta	als (ICP) - Dis	solved							
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	3200	U	200	24	ug/L		08/11/15 12:52	08/11/15 21:36	1
Calcium, Dissolved	59000		500	25	ug/L		08/11/15 12:52	08/11/15 21:36	1
Iron, Dissolved	2000	7	50	17	ug/L			08/11/15 21:36	1
Potassium, Dissolved	3900		1000	17	ug/L		08/11/15 12:52	08/11/15 21:36	1
Magnesium, Dissolved	7800		500	33	ug/L		08/11/15 12:52	08/11/15 21:36	1
Sodium, Dissolved	31000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:36	1
Method: 2340B-2011 - Total I								4 4 4	
Analyte		Qualifier	RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total Hardness	430		3.3	3.3	mg/L			08/12/15 00:00	1
Method: 245.1 - Mercury (CV	AA)								
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L	processing the same	08/11/15 15:17	08/11/15 19:40	1
Method: 245.1 - Mercury (CV									
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:22	1
General Chemistry						_			
Analyte		Qualifier	NONE	NONE		D	Prepared	Analyzed	Dil Fac
рН	8.01	HF J			SU			08/12/15 07:16	1
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	96		5.0	5.0	mg/L		-	08/12/15 07:16	1
Total Suspended Solids	3000		50	50	mg/L			08/11/15 13:06	1

10

10 mg/L

340

068/13/11

08/11/15 14:33

TestAmerica Savannah

Total Dissolved Solids

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJME-0 Pate Collected: 08/09/15 16:35 Pate Received: 08/11/15 09:39		Jalg	und			Lal	o Sample II	D: 680-1154 Matrix	
Method: 200.7 Rev 4.4 - Meta									
Analyte		Qualifier	RL.		Unit	<u>D</u>	Prepared	Analyzed	DII Fa
Aluminum	58000		200	24	ug/L			08/12/15 00:04	
Calcium	130000		500		ug/L			08/12/15 00:04	
Iron	46000		50		ug/L			08/12/15 00:04	
Magnesium	27000		500		ug/L	Jan San		08/12/15 00:04	
Potassium	15000		1000	The second second	ug/L			08/12/15 00:04	
Sodium	33000		1000	480	ug/L		08/11/15 13:33	08/12/15 00:04	
Method: 200.7 Rev 4.4 - Meta	ls (ICP) - Dis	solved				\$ 145			
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Aluminum, Dissolved	5700	- 1	200	24	ug/L	alagair c om Open School	08/11/15 12:52	08/11/15 21:41	***************************************
Calcium, Dissolved	61000		500		ug/L		08/11/15 12:52	08/11/15 21:41	
Iron, Dissolved	3500	J	50	17	ug/L		08/11/15 12:52	08/11/15 21:41	
Potassium, Dissolved	4500		1000	17	ug/L		08/11/15 12:52	08/11/15 21:41	
Magnesium, Dissolved	8500		500	33	ug/L		08/11/15 12:52	08/11/15 21:41	
Sodium, Dissolved	31000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:41	
Method: 2340B-2011 - Total H	lardnage /ac	CaCO3) by	calculation						
Analyte		Qualifier	RL		Unit	Q	Prepared	Analyzed	Dil Fa
Total Hardness	440	***************************************	3.3	3.3	mg/L	-		08/12/15 00:04	***************************************
Method: 245.1 - Mercury (CV)	۱Δ۱								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Mercury	0.080	U	0.20	0.080	ug/L	***	08/11/15 15:18	08/11/15 19:43	***********
Method: 245.1 - Mercury (CV/	AA) - Dissolv	ed .							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fa
Mercury, Dissolved	0.080	U .	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:25	-
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fa
pH	8.08		***************************************	***************************************	SU	minimum mane	***************************************	08/12/15 07:23	No. of the last of
Analyte		Qualifier	RL	ÐΙ	Unit	D	Prepared	Analyzed	Dil Fa
Alkalinity	91	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	5.0		mg/L	andiamentos boss	· IUparu	08/12/15 07:23	a
Total Suspended Solids	2900		50		mg/L			08/11/15 13:06	
Total Dissolved Solids	330		10		mg/L			08/11/15 14:33	

TestAmerica Savannah

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Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Lab Sample ID: 680-115432-1

Matrix: Water

Client Sample ID: SJBB-080915-11

Date Collected: 08/09/15 18:25 Date Received: 08/11/15 09:39

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	UPP CCO	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:05	1
Arsenic	9.2	•	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:05	1
Barium	720		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:05	1
Beryllium	3.1		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:05	1
Cadmium	0.12	J	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 11:00	2
Chromium	27		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:05	1
Cobalt	22		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:05	1
Copper	51		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:05	1
Lead	40		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:05	1
Manganese	1200		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:05	1
Nickel	32		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:05	1
Selenium	0.58	U	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:05	1
Silver	0.20	J	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:05	1
Thallium	0.57		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:05	1
Vanadium	68		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:05	1
Zinc	150	F/ J	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:05	1
Molybdenum	1.5	FIT J	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	Ū	1.0	0.40	ug/L	**********	08/11/15 12:52	08/11/15 21:39	1
Arsenic, Dissolved	1.1		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 21:39	1
Barium, Dissolved	74		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 21:39	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 21:39	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 21:39	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 21:39	1
Cobalt, Dissolved	0.13	J	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 21:39	1
Copper, Dissolved	2.3		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 21:39	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 21:39	. 1
Manganese, Dissolved	1.2	U	2.5	1.2	ug/L		08/11/15 12:52	08/11/15 21:39	1
Molybdenum, Dissolved	2.1		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 21:39	1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 21:39	1
Selenium, Dissolved	0.86	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 21:39	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 21:39	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 21:39	1
Vanadium, Dissolved	2.8		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 21:39	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 21:39	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Lab Sample ID: 680-115432-2

Matrix: Water

Client Sample ID: SJMH-080915-11

Date Collected: 08/09/15 19:05 Date Received: 08/11/15 09:39

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U U -	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:22	1
Arsenic	21		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:22	1
Barium	2300		10	0.70	ug/L		08/11/15 12:52	08/12/15 10:56	5
Beryllium	8.1		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:22	1
Cadmium	0.22	U	0.50	0.22	ug/L		08/11/15 12:52	08/12/15 10:56	5
Chromium	70		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:22	1
Cobalt	55		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:22	1
Copper	87		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:22	1
Lead	85		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:22	1
Manganese	3400		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:22	1
Nickel	110		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:22	1
Selenium	5.2	J	10	2.9	ug/L		08/11/15 12:52	08/12/15 10:56	5
Silver	0.39	J	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:22	1
Thallium	1.4		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:22	1
Vanadium	160		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:22	1
Zinc	290	ブ ー	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:22	1
Molybdenum	1.7	T	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:03	1
Arsenic, Dissolved	2.0		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:03	1
Barium, Dissolved	130		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:03	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:03	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:03	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:03	1
Cobalt, Dissolved	0.31	J	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:03	1
Copper, Dissolved	2.8		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:03	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:03	1
Manganese, Dissolved	1.2	U	2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:03	1
Molybdenum, Dissolved	2.4		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:03	1
Nickel, Dissolved	1.4		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:03	1
Selenium, Dissolved	0.92	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:03	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:03	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:03	1
Vanadium, Dissolved	7.9		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:03	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:03	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: SJMC-080915-11 Lab Sample ID: 680-115432-3

Date Collected: 08/09/15 17:50 Matrix: Water Date Received: 08/11/15 09:39

Method: 200.8 - Metals (ICP/MS) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U 45 -	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:26	1
Arsenic	8.9		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:26	1
Barium	600		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:26	1
Beryllium	2.6		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:26	1
Cadmium	0.086	U	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 09:38	2
Chromium	25		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:26	1
Cobalt	19		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:26	1
Copper	44		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:26	1
Lead	33		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:26	1
Manganese	940		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:26	1
Nickel	26		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:26	1
Selenium	0.84	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:26	1
Silver	0.19	J	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:26	1
Thallium	0.49		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:26	1
Vanadium	60		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:26	1
Zinc	130	T	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:26	1
Molybdenum	1.5	ナー	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L	***********	08/11/15 12:52	08/11/15 22:16	1
Arsenic, Dissolved	0.86	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:16	1
Barium, Dissolved	77		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:16	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:16	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:16	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:16	1
Cobalt, Dissolved	0.13	J	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:16	1
Copper, Dissolved	2.0		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:16	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:16	1
Manganese, Dissolved	1.2	J	2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:16	1
Molybdenum, Dissolved	2.1		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:16	1
Nickel, Dissolved	1.5		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:16	1
Selenium, Dissolved	0.90	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:16	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:16	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:16	. 1
Vanadium, Dissolved	2.6		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:16	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:16	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: SJDS-080915-11 Lab Sample ID: 680-115432-4

Date Collected: 08/09/15 13:15 Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.8 - Metals (ICP/MS) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U UT	1.0	0.40	ug/L	Arminiaered Kosta	08/11/15 12:52	08/11/15 23:30	1
Arsenic	9.4		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:30	1
Barium	490		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:30	1
Beryllium	1.8		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:30	1
Cadmium	0.12	J	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 09:42	2
Chromium	18		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:30	1
Cobalt	13		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:30	1
Copper	44		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:30	1
Lead	96		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:30	1
Manganese	700		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:30	1
Nickel	17		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:30	1
Selenium	1.1	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:30	1
Silver	0.67	J	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:30	1
Thallium	0.35		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:30	1
Vanadium	43		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:30	1
Zinc	130	丁-	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:30	1
Molybdenum	1.7	7-	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	Ū	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:20	1
Arsenic, Dissolved	0.81	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:20	1
Barium, Dissolved	80		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:20	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:20	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:20	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:20	1
Cobalt, Dissolved	0.54		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:20	1
Copper, Dissolved	3.5		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:20	1
Lead, Dissolved	3.5		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:20	1
Manganese, Dissolved	32		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:20	1
Molybdenum, Dissolved	1.7		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:20	1
Nickel, Dissolved	1.5		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:20	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:20	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:20	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:20	1
Vanadium, Dissolved	2.8		. 1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:20	1
Zinc, Dissolved	7.0	J	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:20	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Date Collected: 08/09/15 12:35

Date Received: 08/11/15 09:39

Project/Site: Gold King Mine - Region 9

Client Sample ID: SJSR-080915-11

TestAmerica Job ID: 680-115432-2

Lab Sample ID: 680-115432-5

Matrix: Water

Method: 200.8 - Metals (ICP/MS) Analyte	Result C	lualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40 U	105	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:34	1
Arsenic	9.9		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:34	1
Barium	630		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:34	1
Beryllium	2.5		0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:34	1
Cadmium	0.086 U	l	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 09:46	2
Chromium	22		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:34	1
Cobalt	18		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:34	1
Copper	50		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:34	1
Lead	70		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:34	1
Manganese	860		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:34	1
Nickel	22		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:34	1
Selenium	0.60 J		2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:34	1
Silver	0.44 J		1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:34	1
Thallium	0.46		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:34	1
Vanadium	57		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:34	1
Zinc	150	丁-	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:34	1
Molybdenum	1.3	T-	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:24	1
Arsenic, Dissolved	0.80	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:24	1
Barium, Dissolved	81		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:24	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:24	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:24	1
Chromium, Dissolved	1.2	J	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:24	1
Cobalt, Dissolved	0.67		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:24	1
Copper, Dissolved	4.0		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:24	1
Lead, Dissolved	2.7		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:24	1
Manganese, Dissolved	_32		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:24	1
Molybdenum, Dissolved	(1.5	ر د	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:24	1
Nickel, Dissolved	1.8		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:24	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:24	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:24	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:24	1
Vanadium, Dissolved	3.4		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:24	1
Zinc, Dissolved	6.7	J	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:24	1

TestAmerica Savannah

of My

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: SJ4C-080915-11

Date Collected: 08/09/15 15:31 Date Received: 08/11/15 09:39 Lab Sample ID: 680-115432-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.0	0.40	ug/L	ediament, Segue,	08/11/15 12:52	08/11/15 23:39	1
Arsenic	13		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 23:39	1
Barium	540		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 23:39	1
Beryllium	2.0	11 - N 14 - N	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 23:39	. 1
Cadmium	0.11	J	0.20	0.086	ug/L		08/11/15 12:52	08/12/15 09:50	2
Chromium	18		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 23:39	1
Cobalt	14		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 23:39	1
Copper	62		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 23:39	1
Lead	180		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 23:39	1
Manganese	740		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 23:39	· 1
Nickel	20		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 23:39	1
Selenium	0.98	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 23:39	1
Silver	1.3	. N.	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 23:39	1
Thallium	0.40		0.20	0.10	ug/L		08/11/15 12:52	08/11/15 23:39	1
Vanadium	50	8.42	1.0	0.30	ug/L		08/11/15 12:52	08/11/15 23:39	. 1
Zinc	160	リー	20	2.8	ug/L		08/11/15 12:52	08/11/15 23:39	. 1
Molybdenum	2.8		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 23:39	-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L	Warranteen decision of the state of	08/11/15 12:52	08/11/15 22:28	4,000,000,000,000
Arsenic, Dissolved	0.56	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:28	1
Barium, Dissolved	76		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:28	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:28	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:28	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:28	-1
Cobalt, Dissolved	0.12	U	0.40	0.12	ug/L	. %	08/11/15 12:52	08/11/15 22:28	. 1
Copper, Dissolved	1.7		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:28	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:28	1
Manganese, Dissolved	4.3		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:28	1
Molybdenum, Dissolved	1.9		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:28	- 1
Nickel, Dissolved	1.0		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:28	1
Selenium, Dissolved	1.0	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:28	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:28	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:28	1
Vanadium, Dissolved	1.0		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:28	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:28	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: SJFP-080915-11

Date Collected: 08/09/15 10:15 Date Received: 08/11/15 09:39 Lab Sample ID: 680-115432-7

Matrix: Water

Method: 200.8 - Metals (ICP/MS) Analyte	Result Qualifi	er_ RL	MDL U	Jnit C) Prepared	Analyzed	Dil Fac
Antimony	0.40 U U	1.0	0.40 u	ıg/L	08/11/15 13:06	08/11/15 23:43	7
Arsenic	5.1	1.0	0.37 u	ıg/L	08/11/15 13:06	08/11/15 23:43	1
Barium	340	2.0	0.14 u	ıg/L	08/11/15 13:06	08/11/15 23:43	1
Beryllium	1.4	0,40	0.15 u	ıg/L	08/11/15 13:06	08/11/15 23:43	1
Cadmium	0.086 U	0.20	0.086 u	ıg/L	08/11/15 13:06	08/12/15 09:54	2
Chromium	17	2.0	1.0 u	ıg/L	08/11/15 13:06	08/11/15 23:43	1
Cobalt	10	0.40	0.12 u	ıg/L	08/11/15 13:06	08/11/15 23:43	1
Copper	32	1.0	0.50 u	ıg/L	08/11/15 13:06	08/11/15 23:43	1
Lead	47	0.30	0.060 u	ıg/L	08/11/15 13:06	08/11/15 23:43	1
Manganese	500	2.5	1.2 u	ıg/L	08/11/15 13:06	08/11/15 23:43	1
Nickel	15	1.0	0.40 u	ıg/L	08/11/15 13:06	08/11/15 23:43	1.
Selenium	0.92 J	2.0	0.58 u	g/L	08/11/15 13:06	08/11/15 23:43	1
Silver	0.31 J	1.0	0.10 u	g/L	08/11/15 13:06	08/11/15 23:43	1
Thallium	0.26	0.20	0.10 u	g/L	08/11/15 13:06	08/11/15 23:43	1
Vanadium	31	1.0	0.30 u	g/L	08/11/15 13:06	08/11/15 23:43	1
Zinc	94 J	20	2.8 u	g/L	08/11/15 13:06	08/11/15 23:43	1
Molybdenum	1.4 丁	1.0	0.45 u	g/L	08/11/15 13:06	08/11/15 23:43	1

Method: 200.8 - Metals (ICP) Analyte	and the first of the second se	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	Ū	1.0	0.40	ug/L	anners and	08/11/15 12:52	08/11/15 22:32	1
Arsenic, Dissolved	0.41	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:32	1
Barium, Dissolved	68		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:32	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:32	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:32	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:32	1.
Cobalt, Dissolved	0.12		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:32	1
Copper, Dissolved	1.5		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:32	11.
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:32	1
Manganese, Dissolved	4.1		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:32	1.
Molybdenum, Dissolved	1.5		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:32	-1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:32	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:32	. 1.
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:32	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:32	1
Vanadium, Dissolved	0.81	J	1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:32	. 1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:32	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Lab Sample ID: 680-115432-8 Client Sample ID: SJHB-080915-11

Date Collected: 08/09/15 11:31 Date Received: 08/11/15 09:39

Matrix: Water

Method: 200.8 - Metals (ICP/MS) Analyte	Result	Qualifier_	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	ט ט ט	1.0	0.40	ug/L	minimizati	08/11/15 13:06	08/11/15 23:55	1
Arsenic	6.2		1.0	0.37	ug/L		08/11/15 13:06	08/11/15 23:55	1
Barium	520		2.0	0.14	ug/L		08/11/15 13:06	08/11/15 23:55	. 1
Beryllium	2.4		0.40	0.15	ug/L		08/11/15 13:06	08/11/15 23:55	1
Cadmium	0.086	U	0.20	0.086	ug/L		08/11/15 13:06	08/12/15 09:58	2
Chromium	22		2.0	1.0	ug/L		08/11/15 13:06	08/11/15 23:55	1
Cobalt	17		0.40	0.12	ug/L		08/11/15 13:06	08/11/15 23:55	- 1
Copper	42	A. A.	1.0	0.50	ug/L		08/11/15 13:06	08/11/15 23:55	1
Lead	57		0.30	0.060	ug/L		08/11/15 13:06	08/11/15 23:55	্ৰ
Manganese	990		2.5	1.2	ug/L		08/11/15 13:06	08/11/15 23:55	্ৰ
Nickel	22		1.0	0.40	ug/L		08/11/15 13:06	08/11/15 23:55	- 1
Selenium	0.58	U	2.0		ug/L		08/11/15 13:06	08/11/15 23:55	1
Silver	0.38	J	1.0	0.10	ug/L		08/11/15 13:06	08/11/15 23:55	4
Thallium	0.38		0.20		ug/L		08/11/15 13:06	08/11/15 23:55	- 1
Vanadium	42		1.0		ug/L		08/11/15 13:06	08/11/15 23:55	4
Zinc	130		20	2.8	ug/L		08/11/15 13:06	08/11/15 23:55	. 1
Molybdenum	1.1		1.0	0.45	ug/L		08/11/15 13:06	08/11/15 23:55	
Analyte Antimony, Dissolved	0.40		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:36	Dirac
Analyte		Qualifier	RL	and the second s	Unit	D	The second second second	Analyzed	Dil Fac
Anumony, Dissolved Arsenic, Dissolved	0.40	The State of the Control of the Cont	1.0		ug/L ug/L			08/11/15 22:36	1
나는 사람이 얼마를 하는데 다른데 나를 하는데 되었다.	70		2.0		ug/L ug/L			08/11/15 22:36	1
Barium, Dissolved	1 4 5 7	11							
Beryllium, Dissolved	0.15		0.40		ug/L			08/11/15 22:36 08/11/15 22:36	1
Cadmium, Dissolved	0.043		0.10	0.043					
Chromium, Dissolved	1.0		2.0		ug/L		and the second of the second o	08/11/15 22:36 08/11/15 22:36	1
Cobalt, Dissolved	0.20		0.40	0.12	A = A .				
Copper, Dissolved	1.8		1.0		ug/L	~		08/11/15 22:36	1
Lead, Dissolved	0.36		0.30		ug/L			08/11/15 22:36	
Manganese, Dissolved	6.1		2.5		ug/L			08/11/15 22:36	
Molybdenum, Dissolved	(1.5	リノ	1.0		ug/L			08/11/15 22:36	
	1.1		1.0		ug/L			08/11/15 22:36	-1
Nickel, Dissolved			2.0	0.58	1.00			08/11/15 22:36	1
Selenium, Dissolved	0.70			بستريد					
Selenium, Dissolved Silver, Dissolved	0.10	Ü.	1.0	0.10	1,477			08/11/15 22:36	
Selenium, Dissolved Silver, Dissolved Thallium, Dissolved	0.10 0.10	Ü.	1.0 0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:36	1
Selenium, Dissolved Silver, Dissolved	0.10		1.0	0.10 0.30	1,477		08/11/15 12:52 08/11/15 12:52		1 1 1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: SJLP-080915-11

Date Collected: 08/09/15 09:54 Date Received: 08/11/15 09:39 Lab Sample ID: 680-115432-9

Matrix: Water

Method: 200.8 - Metals (ICP/MS)		S. 100	And the second second				
Analyte	Result Qualifier	RL	MDL	Unit	D Prepared	Analyzed	Dil Fac
Antimony	0.40 UF1 U	1.0	0.40	ug/L	 08/11/15 13:33	08/12/15 02:34	1
Arsenic	6.3	1.0	0.37	ug/L	08/11/15 13:33	08/12/15 02:34	1
Barium	520	2.0	0.14	ug/L	08/11/15 13:33	08/12/15 02:34	্ৰ
Beryllium	1.8	0.40	0.15	ug/L	08/11/15 13:33	08/12/15 02:34	1
Cadmium	0.19	0.10	0.043	ug/L	08/11/15 13:33	08/12/15 02:34	1
Chromium	16	2.0	1.0	ug/L	08/11/15 13:33	08/12/15 02:34	1
Cobalt	13	0.40	0.12	ug/L	08/11/15 13:33	08/12/15 02:34	1
Copper	33	1.0	0.50	ug/L	08/11/15 13:33	08/12/15 02:34	1
Lead	48	0.30	0.060	ug/L	08/11/15 13:33	08/12/15 02:34	1
Manganese	830	2.5	1.2	ug/L	08/11/15 13:33	08/12/15 02:34	1
Nickel	17	1.0	0.40	ug/L	08/11/15 13:33	08/12/15 02:34	1
Selenium	1,0-18-2,00	2.0	0.58	ug/L	08/11/15 13:33	08/12/15 02:34	1
Silver	0.30 J	1.0	0.10	ug/L	08/11/15 13:33	08/12/15 02:34	. 1
Thallium	0.28	0.20	0.10	ug/L	08/11/15 13:33	08/12/15 02:34	1
Vanadium	34	1.0	0.30	ug/L	08/11/15 13:33	08/12/15 02:34	1
Zinc	110 F1 丁	20	2.8	ug/L	08/11/15 13:33	08/12/15 02:34	1
Molybdenum	1.3	1.0	0.45	ug/L	08/11/15 13:33	08/12/15 02:34	1

Method: 200.8 - Metals (ICP/	MS) - Dissolve	∍d							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L	and the same of th	08/11/15 12:52	08/11/15 22:40	1
Arsenic, Dissolved	0.42	J	1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:40	. 1
Barium, Dissolved	72		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:40	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:40	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:40	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:40	1
Cobalt, Dissolved	0.12	U	0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:40	1
Copper, Dissolved	1.7		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:40	- 1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:40	. 1
Manganese, Dissolved	5.1		2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:40	1
Molybdenum, Dissolved	1.4		1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:40	- 1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:40	1
Selenium, Dissolved	0.87	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:40	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:40	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:40	1
Vanadium, Dissolved	0.84	J	1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:40	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:40	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: MECT-080915-11

Date Collected: 08/09/15 14:05 Date Received: 08/11/15 09:39 Lab Sample ID: 680-115432-10

Matrix: Water

Method: 200.8 - Metals (ICP/MS) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	u U	1.0	0.40	ug/L	maaanimmapanii baada	08/11/15 13:33	08/12/15 02:59	1
Arsenic	4.1		1.0	0.37	ug/L		08/11/15 13:33	08/12/15 02:59	1
Barium	180	and the second	2.0	0.14	ug/L		08/11/15 13:33	08/12/15 02:59	1
Beryllium	0.53		0.40	0.15	ug/L		08/11/15 13:33	08/12/15 02:59	1
Cadmium	0.13		0.10	0.043	ug/L		08/11/15 13:33	08/12/15 02:59	1
Chromium	5.9		2.0	1.0	ug/L		08/11/15 13:33	08/12/15 02:59	1
Cobalt	3.6		0.40	0.12	ug/L		08/11/15 13:33	08/12/15 02:59	1
Copper	9.6		1.0	0.50	ug/L		08/11/15 13:33	08/12/15 02:59	1
Lead	7.9		0.30	0.060	ug/L		08/11/15 13:33	08/12/15 02:59	. 1
Manganese	360	(A. L	2.5	1.2	ug/L		08/11/15 13:33	08/12/15 02:59	- 1
Nickel	9.8		1.0	0.40	ug/L		08/11/15 13:33	08/12/15 02:59	1
Selenium	2.0	8 U	2.0		ug/L		08/11/15 13:33	08/12/15 02:59	1
Silver	0.10	9	1.0	0.10	ug/L		08/11/15 13:33	08/12/15 02:59	1
Thallium	0.16	J	0.20	0.10	ug/L		08/11/15 13:33	08/12/15 02:59	-1
Vanadium	17		1.0	0.30	ug/L		08/11/15 13:33	08/12/15 02:59	1
Zinc	29	J	20	2.8	ug/L		08/11/15 13:33	08/12/15 02:59	1
Molybdenum	3.1		1.0	0.45	ug/L		08/11/15 13:33	08/12/15 02:59	1
Method: 200.8 - Metals (ICP/MS) -	Dissolv	red							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:44	1
Areania Discolund	4.2		10	0.37	um/l	Sec. 15.	08/11/15 12:52	08/11/15 22:44	4

				ed	/IS) - Dissolv	Method: 200.8 - Metals (ICP/
D Prepared Analyzed Dil Fac	_ Unit	MDL	RL	Qualifier	Result	Analyte
08/11/15 12:52 08/11/15 22:44 1	ug/L	0.40	1.0	U	0.40	Antimony, Dissolved
08/11/15 12:52 08/11/15 22:44 1	7 ug/L	0.37	1.0		1.3	Arsenic, Dissolved
08/11/15 12:52 08/11/15 22:44 1	t ug/L	0.14	2.0		85	Barium, Dissolved
08/11/15 12:52 08/11/15 22:44 1	5 ug/L	0.15	0.40	U	0.15	Beryllium, Dissolved
08/11/15 12:52 08/11/15 22:44 1	3 ug/L	0.043	0.10	U	0.043	Cadmium, Dissolved
08/11/15 12:52 08/11/15 22:44 1	ug/L	1.0	2.0	U	1.0	Chromium, Dissolved
08/11/15 12:52 08/11/15 22:44 1	2 ug/L	0.12	0.40		0.50	Cobalt, Dissolved
08/11/15 12:52 08/11/15 22:44 1	ug/L	0.50	1.0		2.6	Copper, Dissolved
08/11/15 12:52 08/11/15 22:44 1	ug/L	0.060	0.30	J	0.072	Lead, Dissolved
08/11/15 12:52 08/11/15 22:44 1	2 ug/L	1.2	2.5		4.2	Manganese, Dissolved
08/11/15 12:52 08/11/15 22:44 1	5 ug/L	0.45	1.0		3.0	Molybdenum, Dissolved
08/11/15 12:52 08/11/15 22:44 1) ug/L	0.40	1.0		3.4	Nickel, Dissolved
08/11/15 12:52 08/11/15 22:44 1	3 ug/L	0.58	2.0	J	1.3	Selenium, Dissolved
08/11/15 12:52 08/11/15 22:44 1) ug/L	0.10	1.0	U	0.10	Silver, Dissolved
08/11/15 12:52 08/11/15 22:44 1) ug/L	0.10	0.20	U	0.10	Thallium, Dissolved
08/11/15 12:52 08/11/15 22:44 1	ug/L	0.30	1.0		2.5	Vanadium, Dissolved
08/11/15 12:52 08/11/15 22:44 1	3 ug/L	2.8	20	U	2.8	Zinc, Dissolved
08/11/15 12:52 08/11/15 22:44 08/11/15 12:52 08/11/15 22:44 08/11/15 12:52 08/11/15 22:44 08/11/15 12:52 08/11/15 22:44 08/11/15 12:52 08/11/15 22:44 08/11/15 12:52 08/11/15 22:44 08/11/15 12:52 08/11/15 22:44 08/11/15 12:52 08/11/15 22:44	o ug/L	0.060 1.2 0.45 0.40 0.58 0.10 0.10	0.30 2.5 1.0 1.0 2.0 1.0 0.20	J U	0.072 4,2 3.0 3.4 1.3 0.10 0.10 2.5	Lead, Dissolved Manganese, Dissolved Molybdenum, Dissolved Nickel, Dissolved Selenium, Dissolved Silver, Dissolved Thallium, Dissolved Vanadium, Dissolved

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: SJME-080915-11

Date Collected: 08/09/15 16:35 Date Received: 08/11/15 09:39 Lab Sample ID: 680-115432-11

Matrix: Water

Method: 200.8 - Metals (ICP/MS) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	0 U1	1.0	0.40	ug/L	California and a	08/11/15 13:33	08/12/15 03:12	1
Arsenic	11		1.0	0.37	ug/L		08/11/15 13:33	08/12/15 03:12	1
Barium	860	3.	2.0	0.14	ug/L		08/11/15 13:33	08/12/15 03:12	1
Beryllium	3.7		0.40	0.15	ug/L		08/11/15 13:33	08/12/15 03:12	1
Cadmium	0.34		0.10	0.043	ug/L		08/11/15 13:33	08/12/15 03:12	1
Chromium	28		2.0	1.0	ug/L		08/11/15 13:33	08/12/15 03:12	1
Cobalt	23		0.40	0.12	ug/L		08/11/15 13:33	08/12/15 03:12	1
Copper	54		1.0	0.50	ug/L		08/11/15 13:33	08/12/15 03:12	1
Lead	46		0.30	0.060	ug/L		08/11/15 13:33	08/12/15 03:12	1
Manganese	1200	No.	2.5	1.2	ug/L		08/11/15 13:33	08/12/15 03:12	. 1
Nickel	36		1.0	0.40	ug/L		08/11/15 13:33	08/12/15 03:12	1
Selenium	14	JB DOUL	2.0	0.58	ug/L		08/11/15 13:33	08/12/15 03:12	1
Silver	0.26		1.0	0.10	ug/L	100	08/11/15 13:33	08/12/15 03:12	1
Thallium	0.71		0.20	0.10	ug/L		08/11/15 13:33	08/12/15 03:12	1
Vanadium	70		1.0	0.30	ug/L		08/11/15 13:33	08/12/15 03:12	1
Zinc	160	J -	20	2.8	ug/L		08/11/15 13:33	08/12/15 03:12	1
Molybdenum	1.7		1,0		ug/L		08/11/15 13:33	08/12/15 03:12	1

Method: 200.8 - Metals (ICP Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L	managements. Jessey	08/11/15 12:52	08/11/15 22:49	1
Arsenic, Dissolved	1.1		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:49	1
Barium, Dissolved	97		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:49	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:49	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:49	1
Chromium, Dissolved	2.5		2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:49	1
Cobalt, Dissolved	0.87		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:49	1
Copper, Dissolved	3.9		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:49	1
Lead, Dissolved	1.5		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:49	. 1.
Manganese, Dissolved	34	المراكز ويلامي	2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:49	- 1
Molybdenum, Dissolved	2.1	ヷ	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:49	1
Nickel, Dissolved	2.2		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:49	1
Selenium, Dissolved	0.98	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:49	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/11/15 12:52	08/11/15 22:49	1.
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:49	1
Vanadium, Dissolved	5.9		1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:49	1
Zinc, Dissolved	7.1	J	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:49	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-2

Client Sample ID: SJME-080915-12

Date Collected: 08/09/15 16:35 Date Received: 08/11/15 09:39 Lab Sample ID: 680-115432-12

Matrix: Water

Method: 200.8 - Metals (ICP/MS) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	ण धर	1.0	0.40	ug/L	······································	08/11/15 13:33	08/12/15 03:16	1
Arsenic	10		1.0	0.37	ug/L		08/11/15 13:33	08/12/15 03:16	1
Barium	880	i da karantaran 1966. Mga	2.0	0.14	ug/L		08/11/15 13:33	08/12/15 03:16	1
Beryllium	3.7		0.40	0.15	ug/L		08/11/15 13:33	08/12/15 03:16	1
Cadmium	0.33		0.10	0.043	ug/L		08/11/15 13:33	08/12/15 03:16	1
Chromium	28		2.0	1.0	ug/L		08/11/15 13:33	08/12/15 03:16	1
Cobalt	24		0.40	0.12	ug/L		08/11/15 13:33	08/12/15 03:16	1
Copper	55		1.0	0.50	ug/L		08/11/15 13:33	08/12/15 03:16	1
Lead	46		0.30	0.060	ug/L		08/11/15 13:33	08/12/15 03:16	1
Manganese	1300		2.5	1.2	ug/L		08/11/15 13:33	08/12/15 03:16	1
Nickel	37		1.0	0.40	ug/L		08/11/15 13:33	08/12/15 03:16	1
Selenium	0.63	JB 2.0U	2.0	0.58	ug/L		08/11/15 13:33	08/12/15 03:16	1
Silver	0.27	J	1.0	0.10	ug/L		08/11/15 13:33	08/12/15 03:16	1
Thallium	0.68		0.20	0.10	ug/L		08/11/15 13:33	08/12/15 03:16	1
Vanadium	66		1.0	0.30	ug/L		08/11/15 13:33	08/12/15 03:16	1
Zinc	160	7 -	20	2.8	ug/L		08/11/15 13:33	08/12/15 03:16	1
Molybdenum	1.4	Ĵ	1.0		ug/L		08/11/15 13:33	08/12/15 03:16	1

Method: 200.8 - Metals (ICP Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:53	1
Arsenic, Dissolved	1.0		1.0	0.37	ug/L		08/11/15 12:52	08/11/15 22:53	1
Barium, Dissolved	120		2.0	0.14	ug/L		08/11/15 12:52	08/11/15 22:53	₩
Beryllium, Dissolved	0.26	J	0.40	0.15	ug/L		08/11/15 12:52	08/11/15 22:53	-1
Cadmium, Dissolved	0.043	Ü	0.10	0.043	ug/L		08/11/15 12:52	08/11/15 22:53	্ৰ
Chromium, Dissolved	5.0	Association of the second	2.0	1.0	ug/L		08/11/15 12:52	08/11/15 22:53	-1-
Cobalt, Dissolved	(1.6)		0.40	0.12	ug/L		08/11/15 12:52	08/11/15 22:53	1
Copper, Dissolved	5.1		1.0	0.50	ug/L		08/11/15 12:52	08/11/15 22:53	1
Lead, Dissolved	2.9		0.30	0.060	ug/L		08/11/15 12:52	08/11/15 22:53	1
Manganese, Dissolved	67	28 L	2.5	1.2	ug/L		08/11/15 12:52	08/11/15 22:53	1
Molybdenum, Dissolved	2.0	J	1.0	0.45	ug/L		08/11/15 12:52	08/11/15 22:53	1
Nickel, Dissolved	3.2		1.0	0.40	ug/L		08/11/15 12:52	08/11/15 22:53	1
Selenium, Dissolved	0.84	J	2.0	0.58	ug/L		08/11/15 12:52	08/11/15 22:53	1
Silver, Dissolved	0.10	U	1,0	0.10	ug/L		08/11/15 12:52	08/11/15 22:53	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/11/15 12:52	08/11/15 22:53	1
Vanadium, Dissolved	9.6	i.	1.0	0.30	ug/L		08/11/15 12:52	08/11/15 22:53	1
Zinc, Dissolved	12	J	20	2.8	ug/L		08/11/15 12:52	08/11/15 22:53	1

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